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# ROTATING SANDER 480W
# POW4060

## 1 APPLICATION

The sander is used to sand and buff wood, plastic and similar materials. It is very important to use the correct sandpaper! It is not designed for commercial use.

**WARNING Please read and understand this operating manual before use and keep it for your future reference.**

## 2 DESCRIPTION

1. Sanding paper
2. Base plate
3. Auxiliary handle
4. Screw
5. On/off switch
6. Speed adjusting dial
7. Dust extractor connection
8. Dust bag
9. Cable (2m)

## 3 PACKAGE CONTENT LIST

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.

**WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!**

1 x Rotating Sander 480W
1 sanding disk (grid 80)
1 dust bag
Manual

**When parts are missing or damaged, please contact your dealer.**

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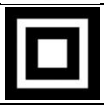
## 4 SYMBOLS

In this manual and/or on the machine the following symbols are used:

| | | | |
|---|---|---|---|
| | Denotes risk of personal injury or damage to the tool. | | Wear eye protection |
| | Read manual before use | | Wear a mask In dusty conditions |
| | In accordance with essential requirements of the European directive(s) |  | "Class II - The machine is double insulated; Earthing wire is therefore not necessary |

## 5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and all instructions. Failure to follow all warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

### *5.1 Work area*

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### *5.2 Electrical safety*

**Always check that the power supply corresponds to the voltage on the rating plate.**

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

### *5.3 Personal safety*

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used whenever conditions require will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

### *5.4 Power tool use and care*

- Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- Maintain power tools. Check for misalignment or sticking of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to stick and are easier to control.
- Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could lead to a hazardous situation.

### *5.5 Service*

- Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

## 6 ADDITIONAL SAFETY-HINTS FOR SANDERS

- Always wear safety-goggles and a dust-mask during your work with the finishing-sander.
- Always secure the work piece by clamps or else to avoid slipping away.
- Always keep the holes in the base plate clean from dust.
- Always connect a vacuum cleaner to the attached adaptor during your work.
- Take special care when sanding lead based paint:

- All persons entering the work area must wear a mask specially designed for protection against lead paint dust and fumes.
- Children and pregnant women must not enter the work area.
- Do not eat, drink or smoke in the work area.

- Do not leave the tool running. Operate the tool only when hand-held.
- Ventilate your work area adequately when you perform sanding operations.
- Be sure that there are no cracks or breakage on the pad before use. Cracks or breakage may cause a personal injury.

# 7 ASSEMBLY

### *7.1 Attaching the sandpaper*

- Before any work on the machine itself, pull the mains plug.
- To attach sanding paper, first remove all dirt or foreign matter from the sanding base plate. Then attach the sanding paper to the sanding base plate, using the hook-and-loop system of the sanding paper and the sanding base plate.
- Make sure the perforations in the paper coincide with those on the sanding base plate, to ensure optimal dust collection.
- The sandpaper should rest flush on the base plate and must not come loose.
- Select sandpaper with the correct grain size.
- You can be sure to find the right sandpaper among our product range (see accessories).

### *7.2 Dust extraction.*

- Attaching the dust bag :
- Dust is extracted straight through the sanding disk and Packing pad into the dust bag.

**Important! In the interests of your health, always use the dust bag!**

### *7.3 Auxiliary handle*

- Install the auxiliary handle on the tool so that its protrusions fit into the matching notches in the front of the tool.
- Attach the auxiliary handle by screwing the screw down firmly through the opening in the auxiliary handle.
- The auxiliary handle makes possible comfortable handling and optimum force application, especially for high material removal.

# 8 OPERATING INSTRUCTIONS

**Do not sand plaster surfaces, (WARNING: In this case your guarantee becomes void) this may clog the motor (brushes, ball bearings,…).**

### *8.1 Switching On-off*

Press On-off switch I/O

### *8.2 Speed adjusting dial*

- The tool speed can be infinitely adjusted between 4000min$^{-1}$and 14000 min$^{-1}$ Higher speed is obtained when the dial is turned in the direction of 6; lower speed is obtained when it is turned in the direction of 1

# 9 WORKING WITH THE ROTATING SANDER

- The entire sanding surface must rest on the workplace.
- Switch on the machine and. apply moderate pressure, move it over the workpiece in circular. Crosswise or lengthwise movements.
- Use a coarse-grained disk for rough sanding and a fine-grained disk lot line sanding. The best grain for a particular job is best ascertained by trial runs.

**Important! Wear a dust mask and goggles**

**Protective gloves are recommended.**

**The sender must never be used for work on materials which contain asbestos.**

# 10 TECHNICAL DATA

| | |
|---|---|
| Power rating | 480W |
| Mains voltage | 230V |
| Mains frequency | 50Hz |
| Sanding Ø | 125mm |
| No load speed | 4000-14000min$^{-1}$ |
| Safety class | II |

# 11 NOISE

Noise emission values measured according to relevant standard. (K=3)

| | |
|---|---|
| Acoustic pressure level LpA | 79 dB(A) |
| Acoustic power level LwA | 90 dB(A) |

**ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).**

| | | |
|---|---|---|
| aw (Vibration) | 3.52 m/s² | K = 1.5 m/s² |

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## 12 CLEANING AND MAINTENANCE

**Attention !Before performing any work on the equipment, pull the power plug.**

### *12.1 Cleaning*

- Keep the ventilation slots of the machine clean to prevent overheating of the engine.
- Regularly clean the machine housing with a soft cloth, preferably after each use.
- Keep the ventilation slots free from dust and dirt.
- If the dirt does not come off use a soft cloth moistened with soapy water.

**Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.**

## 13 SERVICE DEPARTMENT

- Damaged switches must be replaced by our after-sales service department.
- If the connecting cable (or mains plug) is damaged, it must be replaced by a particular connecting cable which is available from our service department. Replacement of the connecting cable must only be carried out by our service department (see last page) or by a qualified person (qualified electrician).

## 14 STORAGE

- Thoroughly clean the whole machine and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

## 15 WARRANTY

- This product is warranted as provided by law for a 24 -month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding: batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexpert assembly, lightning strike, erroneus net voltage. This list is not exhaustive.

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- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

## 16 ENVIRONMENT

Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way.
Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

## 17 DECLARATION OF CONFORMITY

VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,

Product: Rotating Sander 480W
trade mark: POWERplus
model: POW4060

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature);

2011/65/EU
2004/108/EC
2006/42/EC

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN60745-1 : 2009
EN60745-2-4 : 2009
EN55014-1 : 2006
EN55014-2 : 1997
EN61000-3-2 : 2006
EN61000-3-3 : 2008

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

Hugo Cuypers
Regulatory Affairs – Compliance Manager
12/05/14

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